

DETAILED ACTION

Claim Objections

Claims 7, 9, 10, 16, 18, 20, 21, 24, 27, 32, and 33 are objected to because of the following informalities: The quotation marks appear mostly unnecessary. For claim 24, there appear to be typographical errors, such as “becoming to”, and “corresponding the”. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-33 are rejected under 35 U.S.C. 102(e) as being anticipated by Brown (U.S. 2006/0112150).

As per claim 1, Brown teaches a data synchronization system, sited in a terminal thereof for synchronizing data in a server thereof through a network, the data comprising a characteristic data and a content data, said data synchronization system comprising: a terminal receiver for receiving the characteristic data of the data from the server through the network and for receiving

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the content data corresponding to the characteristic data from the server through the network (paragraphs 0008, 0026-0028); a characteristic data difference distinguishing module for comparing the characteristic data from the server with the characteristic data in the terminal to further generate a first difference (Figure 8, Abstract, paragraphs 0112-0115); an exactor for comparing the characteristic data in the server corresponding to the first difference with the characteristic data in the terminal and for choosing the characteristic data in the server in accordance with a predetermined condition (Figure 8, Abstract, paragraphs 0112-0115); a content data difference distinguishing module for comparing the content data from the server received by the terminal receiver with the content data in the terminal and for further generating a first content data difference (Figure 8, Abstract, paragraphs 0112-0115); and a composing module for constituting the first content data difference with the content data in the terminal to generate a content renew data for constituting the characteristic data in the terminal with the first difference to generate an index renew data, and further for constituting the content renew data with the index renew data to generate a first renew data (paragraphs 0039-0043, 0067).

As per claim 2, Brown further teaches an editing module for editing the first renew data in to a second renew data and for editing the characteristic data corresponding to the second renew data, wherein the characteristic data difference distinguishing module compares the characteristic data of the second renew data with the index renew data to further generate a second difference, wherein the content data difference distinguishing module compares the content data of the second renew data with the content renew data to further generate a second content data difference; and a terminal transmitting module for transmitting the second content

data difference and the second difference to the server through the network (Figure 8, Abstract, paragraphs 0112-0115).

As per claim 3, Brown further teaches that the server further comprises: a server receiver for receiving a second content data difference and a second difference in the terminal through the network; and a composing module for constituting the second content data difference and the second difference from the terminal with the content data and the characteristic data in the server to further generate a server renew data (Figure 8, Abstract, paragraphs 0112-0115).

As per claim 4, Brown further teaches that the characteristic data comprise a file name, a recording time, a file size, a file type, a file abstract, a file writer, a full text characteristic code, and a content characteristic code (0035, 0056, 0059-0063).

As per claim 5, Brown further teaches that the predetermined condition is to compare these file names of characteristic data between the terminal and the server so as to find different file names (0035, 0056, 0059-0063).

As per claim 6, Brown further teaches that the exactor further compares and finds other characteristic data differences in the server and the terminal depending on another predetermined condition when the file in the server has the same file name in the terminal (0035, 0056, 0059-0063).

As per claim 7, Brown further teaches that the predetermined condition further comprises distinguishing the newer file depending on the recording time of the file; that is, the exactor getting the same file name content data in the server with a latest recording time (0035, 0056, 0059-0063).

As per claim 8, Brown further teaches that the exactor exacts the content data corresponding to a unique content characteristic code (0035, 0056, 0059-0063).

As per claim 9, Brown further teaches that the predetermined condition further comprises finding a priority of the file writer and choosing the content data in the server corresponding to the file writer (0035, 0056, 0059-0063).

As per claim 10, Brown further teaches that the predetermined condition further comprises choosing the file recorded during a predetermined period of time (0035, 0056, 0059-0063).

As per claim 11, Brown further teaches that the exactor exacts these first content data difference and the first difference from the predetermined file document in the server and in the terminal (0035, 0056, 0059-0063).

As per claim 12, Brown further teaches a data synchronization system, for synchronizing data in a server and a terminal through a network, the data comprising a characteristic data and a content data, said synchronization system comprising: a server receiver, sited in the server for receiving characteristic data of the data in the terminal through the network (Figure 8, Abstract, paragraphs 0112-0115); a characteristic data difference distinguishing module, sited in the server for comparing the characteristic data in the server with the characteristic data from the terminal to further generate a first difference (Figure 8, Abstract, paragraphs 0112-0115); a an exactor, sited in the server for comparing the characteristic data in the server corresponding to the first difference with the characteristic data in the terminal and for choosing the characteristic data in the server in accordance to a predetermined condition (0035, 0056, 0059-0063); a server transmitting module, sited in the server for transmitting the first difference and the content data

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corresponding to the characteristic data to the terminal through the network (Figure 8, Abstract, paragraphs 0112-0115); a terminal receiver, sited in the terminal for receiving the first difference and the content data through the network (0035, 0056, 0059-0063); a content data difference distinguishing module, sited in the terminal for comparing the content data from the server received by the terminal receiver with the content data in the terminal and for further generating a first content data difference (Figure 8, Abstract, paragraphs 0112-0115); and a composing module, sited in the terminal for constituting the first content data difference with the content data in the terminal to further generate a content renew data, for constituting the characteristic data in the terminal with the first difference to generate an index renew data, and for further constituting the content renew data with the index renew data to generate a first renew data so as to synchronize the first renew data in the terminal with the data in the server (Figure 8, Abstract, paragraphs 0112-0115).

As per claim 13, Brown further teaches: an editing module, sited in the terminal for editing the first renew data in to a second renew data and for editing the characteristic data corresponding to the second renew data, the characteristic data difference distinguishing module comparing the characteristic data of the second renew data with the index renew data to generate a second difference, the content data difference distinguishing module comparing the content data of the second renew data with the content renew data to generate a second content data difference (0035, 0056, 0059-0063); and a terminal transmitting module, sited in the terminal for transmitting the second content data difference and the second difference to the server through the network so as to synchronize the second renew data in the terminal with the data in the server (0035, 0056, 0059-0063).

As per claim 14, Brown further teaches that the server receiver receives the second content data difference and the second difference in the terminal through the network, the server further comprising: a composing module for constituting the second content data difference from the terminal and the second difference from the terminal with the content data in the server and the characteristic data in the server so as to generate a server renew data for synchronizing the server renew data in the server with the second renew data in the terminal (Figure 8, Abstract, paragraphs 0112-0115).

Claims 15-22 are rejected under Brown on the same bases as claims 4-11 respectively, as the instant claims disclose limitation similar to those of the earlier claims.

As per claim 23, Brown further teaches a data synchronization method for synchronizing data in a server and terminal through a network, the data comprising a characteristic data and a content data, said synchronization method comprising: exacting the characteristic data from the server and the characteristic data from the terminal (Figure 8, Abstract, paragraphs 0112-0115); comparing the characteristic data from the server with the characteristic data from the terminal to generate a first difference (Figure 8, Abstract, paragraphs 0112-0115); comparing the characteristic data in the server corresponding to the first difference with the characteristic data in the terminal, and choosing characteristic data in the server in accordance to a predetermined condition; transmitting the content data corresponding to the characteristic data chosen to the terminal through the network (0035, 0056, 0059-0063); comparing the content data from the server with the content data in the terminal, and generating a first content data difference (Figure 8, Abstract, paragraphs 0112-0115); constituting the first content data difference with the content data in the terminal to generate a content renew data, and constituting the characteristic data in

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the server with the first difference to generate an index renew data (0035, 0056, 0059-0063); and constituting the content renew data with the index renew data to generate a first renew data so as to synchronize the first review data in the terminal with the data in the server (Figure 8, Abstract, paragraphs 0112-0115).

As per claim 24, Brown further teaches: editing the first renew data becoming a second renew data, and editing the characteristic data corresponding to the second renew data (0035, 0056, 0059-0063); comparing the characteristic data of the second renew data with the index renew data to generate a second difference, and comparing the content data of the second renew data with the content renew data to generate a second content data difference (0035, 0056, 0059-0063); and transmitting the second content data difference and the second difference to the server through the network for further synchronizing the second renew data in the terminal with the data in the server (0035, 0056, 0059-0063).

As per claim 25, Brown further teaches: receiving a second content data difference and a second difference from the terminal through the network (Figure 8, Abstract, paragraphs 0112-0115); and constituting the second content data difference and the second difference with the content data in the server and the characteristic data in the server to generate a server renew data so as to synchronize the server renew data in the server with the second renew data in the terminal (0035, 0056, 0059-0063).

Claims 26-33 are rejected on the same bases as claims 4-11 respectively, as the instant claims disclose limitation similar to those of the earlier claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is (571)272-3881. The examiner can normally be reached on 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571/272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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